

REMARKS

Applicable to Series 11A vehicles numbered from 24439373.C and Series 111 models.

For fuel tank and fuel filler details not shown here refer to basic Land-Rover parts catalogue.

EVAPORATIVE LOSS CONTROL

Description

17.15.00

õ through a flame trap to the combustion air follows: intake system during engine running as where they are adsorbed, then vented Fuel tank evaporative emissions are vented 6 activated charcoal filled container

- is situated in the engine compartment, A charcoal-filled adsorption container to deal with eva from the fuel tank. deal with evaporative emissions
- From the main fuel tank there is a
- main tank breather pipe. This is fed into a separate expansion
- breather pipe leads to the charcoal From HIRK. the expansion tank a further
- At the side of the container, an container Ë
- From the top, a pipe leads to the inlet pipe is open to atmosphere.
- carburetter air cleaner elbow.
- the air inlet pipe on the charcoal container and then through the two breather pipes via the expansion tank. the air inlet Normal fuel tank breathing is through
- or expansion tanks are fed via the breather pipes into the charcoal con-Any vapours from the fuel in the main charcoal tainer, where they are adsorbed on the tmosphere breather and in a 8 not escape to expansion
- engine through air is drawn in through the air inlet purging the trapped emissions into the pipe at the side of the container During engine accelerating conditions the carburetter air

cleaner elbow.

5 still controlled by the charcoal and, due to the location of the breather maximum fuel expansion; under such for the fuel to expand and for a large quantity along the breather pipe. The the main tank, as it is possible when the main tank is completely filled in high ambient temperature conditions conditions evaporative emissions are size of the expansion tank allows for 8 The function of the expansion tank is be drawn back into the main tank as pipe at the bottom of the expansion fuel is used. ank, the overflow fuel will eventually provide an overflow reservoir for



ADSORPTION CANISTER

Remove and refit 17.15.13

coal filling to ignite. pressed air could cause the activated char cleanse the container. WARNING: No attempt should be made to The use of com-

- Note the hose positions and discon
- 2 nect at container. Remove the fixings, container strap to
- Slacken the pinch bolt on the strap mounting bracket
- Withdraw and discard the canister

e u



S Reve Reverse 1 to 4. Position the container such that the 'open-to-atmosphere' of the engine compartment. pipe faces inboard and toward the rear

EXHAUST EMISSION CONTROL Description 17.20 for Exhaust emission control is achieved by alterations to carburation and combustion characteristics, together with modifications to the distributor vacuum supply line and

Carburetter jets

ignition timing procedure, as follows:

natural finish. cadmium plated finish and they are not enrichment jets having special flow characinterchangeable with similar size jets with a teristics. The jets are identifiable by their The carburetter is provided with main and

Carburetter throttle-prop system

walls and gives a rich air/fuel ratio and poor combustion. To compensate for this engine overrun with rapid throttle closure, wet fuel is drawn off the inlet manifold air/fuel mixture to give good combustion. admit sufficient volume of Under high manifold depression, that is, on ping open the carburetter throttle butterfly condition a system is employed of prop o reduce the manifold depression and A trigger valve is connected to the correct F

- lifting a diaphragm from its seat which is pre-set to lift at 20.5 to 21.5 in. Hg. inlet manifold via a pipe. Under high manifold depression The depression is relayed via a pipe to vacuum is formed in the trigger valve .
- w a vacuum servo unit.

